Author Index

AGLIETTA M., *see* CAMUSSI G.
ALARCÓN-SEGOVIA D., *see* PALACIOS R.
AMANO T., *see* SEMMA M.
ANDRÉ C.M., *see* LEWIS J.G.
ANDREW ELIZABETH, *see* PEPPARD JANE.
APPLEBY P., *see* LOWE JENNIFER.
ASHERSON G.L., *see* LE BOUTEILLER P.P.
ASHERSON G.L., *see* THOMAS W.R.
ASKONAS BRIGITTE A., *see* HACKETT C.J.
AZUMA ICHIRO, *see* KATO KAZUYUKI.
BALDWIN R.W., *see* GRAY J.D.
BARCLAY A.N. The localization of populations of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues, 593

BATTY J.E., *see* HOLT P.J.
BEH K.J. & LASCELLES A.K. The effect of route of administration of antigen on the antibody-containing cell response in lymph of sheep, 577
BENNELL M.A. & HUSBAND A.J. Route of lymphocyte migration in pigs. I. Lymphocyte circulation in gut-associated lymphoid tissue, 469
BENNELL M.A. & HUSBAND A.J. Route of lymphocyte migration in pigs. II. Migration to the intestinal lamina propria of antigen-specific cells generated in response to intestinal immunization in the pig, 475
BENNER R., *see* VAN OUDENAREN.
BERGENSTOCK R.W., COHEN S. & YOSHIDA TAKESHI. T- and B-cell activation by mitogenic factor generated from antigen-stimulated lymphocytes, 321
BLOCH K.J., *see* UDALL J.N.
BOCKOW B. & MANNIK M. Clearance and tissue uptake of immune complexes in complemented-depleted and control mice, 497
BRADLEY GRAINNE R., *see* WILKINSON P.C.
BROCK J., *see* HORMAECHE C.E.
BROHEE D., *see* KENNES B.
BROOKS C.G., *see* GRAY J.D.
BROWN CAROLYN A., BROWN I.N. & ŠLJIVIĆ V.A. BCG, *Corynebacterium parvum* or *Mycobacterium leprae* added to cultures of BCG-primed mouse spleen cells caused an enhanced primary antibody response *in vitro*, 67
BROWN D.L., *see* HARKISS G.D.
BROWN GERTRUDE, *see* HAMILTON S.R.
BROWN I.N., *see* BROWN CAROLYN A.
BROWN P.J. & JOHNSON P.M. Fcγ-receptor activity of isolated human placental syncytiotrophoblast plasma membrane, 313
BUDZKO DELIA B., *see* KIERSZENBAUM F.
BUSSOLINO F., *se* CAMUSSI G.

CABILLY S. & GALLILY R. Artificial binding of macrophages to syngeneic cells elicits cytostasis but not cytolysis, 149
CAMUSSI G., AGLIETTA M., CODA R., BUSSOLINO F., PIACIBELLO W. & TETTA C. Release of platelet-activating factor (PAF) and histamine. II. The cellular origin of human PAF: monocyte polymorphonuclear neutrophils and basophils, 191
CARDONI RITA L., *see* RIMOLDI MARIA TERESA.
CATTY D., *see* LOWE JENNIFER.
CAVALLO T., *see* HARPER BARBARA L.
CHATURVEDI U.C., SHUKLA MANOHAR INDRA & MATHUR ASHA. Thymus-dependent lymphocytes of dengue virus-infected mice spleens mediate suppression through prostagiandin, 1
CHEN W., TEODORESCU M., MCKENZIE I.F.C. & MAYER E.P. Functional characterization of mouse lymphocyte subpopulations identified by their natural binding of bacteria. II. Identification of subpopulations of Ly-$1^+2^-3^-$, Ly-$1^-2^+3^+$ and Ly-$1^+2^+3^+$ cells and the localization of specific cytotoxic cells in a subset of Ly-$1^-2^+3^+$ cells, 285
CODA R., *see* CAMUSSI G.
COHEN S., *see* BERGENSTOCK R.W.
COOMBE DEIRDRE R., EY P.L., SCHLUTER S.F. & JENKIN C.R. An agglutinin in the haemolymph of an asicdian promoting adhesion of sheep erythrocytes to mouse macrophages, 661
CUNNINGHAM JULI & MCCULLAGH P. Reactivity of neuro-antigen-sensitized lymphocytes against syngeneic allogeneic and tolerated allogeneic neural tissue, 91

DAMERAU B., *see* KELLER H.U.
DE BRACCO MARIA M. DE E., *see* RIMOLDI MARIA TERESA.
DEZSŐ B. & FÓRIS GABRIELLA. Effect of angiotensin II on the Fc receptor activity of rat macrophages, 277
DÍAZ-JOUANEN E., *see* PALACIOS R.
DOBRONYI I., *see* UHER F.
DRESSER D.W., *see* LEE S.-K.
DREW R., *see* LOWE JENNIFER.
DRYSDALE PAMELA, *see* LOWE JENNIFER.
DUC DODON MADELEINE & QUASH G.A. The antigenicity of asialylated IgG: its relationship to rheumatoid factor, 401
DWYER J.M., PARKER DARIEN & TURK J.L. Suppression of delayed hypersensitivity to tuberculin by antigenic competition. A positive immunoregulatory mechanism sensitive to cyclophosphamide, 549

EDWARDS A.J., *see* LE BOUTEILLER P.P.
EY P.L., *see* COOMBE DEIRDRE R.
EY P.L., *see* SCHLUTER S.F.

FINE D.P., *see* HARPER BARBARA L.
FÓRIS GABRIELLA, *see* DEZSŐ B.
FRITZE L., *see* UDALL J.N.
FROESE A., *see* HELM R.M.
FUJIO H., *see* SEMMA M.

FUJITA K. & TSUKIDATE S. Preparation of a highly purified allergen from *Dirofilaria immitis*. Reaginic antibody formation in mice, 363

GADD KATHRYN J. & REID K.B.M. Importance of the integrity of the inter-heavy-chain disulphide bond of rabbit IgG in the activation of the alternative pathway of human complement by the $F(ab')_2$ region of rabbit IgG antibody in immune aggregates, 75
GALLILY R., *see* CABILLY S.
GAUTHIER-RAHMAN SARVAT. Immunomodulation by *Croynebacterium parvum* in two strains of guinea-pigs and the effect of cyclophosphamide, 99
GERGELY J., *see* UHER F.
GOOSSENS J., *see* VAN WAUWE J.
GORDON J., ROBINSON DANIELE S.F. & STEVENSON G.T. Antigenic modulation of lymphocytic surface immunoglobulin yielding resistance to complement-mediated lysis. I. Characterization with syngeneic and xenogeneic complements, 7
GORDON J. & STEVENSON G.T. Antigenic modulation of lymphocytic surface immunoglobulin yielding resistance to complement-mediated lysis. II. Relationship to redistribution of the antigen, 13
GOREN RIVKA & NELKEN D. The inhibitory effect of normal immunosuppressive protein on lymphocytes mediating natural killing activity, 427
GRAY J.D., BROOKS C.G. & BALDWIN R.W. Detection of either rapidly cytolytic macrophages or NK cells in 'activated' peritoneal exudates depends on the method of analysis and the target cell type, 561
GREGORY S.H. & KEEN M. Mitogenic response to T-cell subclasses to agarose-linked and to free ribonucleotides, 451
GUCKIAN J.C., *see* HARPER BARBARA L.

HAAIJMAN J.J., *see* VAN OUDENAREN A.
HACKETT C.J. & ASKONAS BRIGITTE A. H-2 expression by lymphoid cells of different mouse strains: quantitative interaction of H-2 with monoclonal antibodies and their Fab fragments, 207
HAHN H., *see* JABBAR-S-AHMED.
HAMILTON S.R., KEREN D.F., YARDLEY J.H. & BROWN GERTRUDE. No impairment of local intestinal immune response to keyhole limpet haemocyanin in the absence of Peyer's patches, 431
HARADA H., *see* KASAHARA T.
HARDIE DEBBIE, *see* LOWE JENNIFER.
HARKISS G.D. & BROWN D.L. Clearance kinetics of soluble pre-formed immune complexes containing IgM antibodies in normal and decomplemented rabbits, 297
HARPER BARBARA L., FINE D.P., GUCKIAN J.C. & CAVALLO T. Trypan blue inhibition of complement receptor function on various cells, 61.
HELM R.M. & FROESE A. The incorporation of tritiated precursors into receptors for IgE of rat basophilic leukemia cells, 629
HIMENO K., *see* YOSHIDA S.
HOLME G. & PIECHUTA H. The derivation of an inbred line of rats which develop asthma-like symptoms following challenge with aerosolized antigen, 19
HOLT P.G., BATTY J.E. & TURNER K.J. Inhibition of specific IgE responses in mice by pre-exposure to inhaled antigen, 409
HOLT P.G., *see* WARNER L.A.
HOPKINS, J., MCCONNELL I. & PEARSON J.D. Lymphocyte traffic through antigen-stimulated lymph nodes. II. Role of prostaglandin E_2 as a mediator of cell shutdown, 225
HOPKINS, J., *see* I MCCONNELL.
HORMAECH C.E., PETTIFOR R.A. & BROCK J. The fate of temperature-sensitive salmonella mutants *in vivo* in naturally resistant and susceptible mice, 569
HUBERT CL., *see* KENNES B.
HUNT, RUTH, *see* MEDAWAR P.B.
HUSBAND A.J., *see* BENNELL M.A.
HUSBAND A.J., *see* BENNELL M.A.

IMAI M., *see* KASAHARA T.
ISHIHARA CHIAKI, *see* KATO KAZUYUKI.

JABBAR-S-AHMED, KAUFMANN S.H.E. & HAHN H. Peritoneal exudate T lymphocytes with specificity to sheep red blood cells. IV. Fc receptors on specific peritoneal exudate lymphocytes and their role in delayed-type hypersensitivity reactions, 185
JEFFERIS R., *see* LOWE JENNIFER.
JENKIN C.R., *see* COOMBE DEIRDRE R.
JENKIN C.R., *see* SCHLUTER S.F.
JOHNSON P.M., *see* BROWN P.J.

KAKINUMA MITSUAKI, *see* KATO KAZUYUMI.
KASAHARA T., HARADA H., SHIORI-NAKANO K., IMAI M. & SANO T. Potentiation of natural killer activity of human lymphocytes by *Staphylococcus aureus* bacteria and its protein A, 175
KATO KAZUYUKI, YAMAMOTO KEN-ICHI, KAKINUMA MITSUAKI, ISHIHARA CHIAKI & AZUMA ICHIRO. Suppression of BCG cell wall induced delayed-type hypersensitivity by BCG pre-treatment. I. Induction of adherent suppressor cells by live BCG injection and their characterization, 259
KAUFMANN S.H.E., *see* JABBAR-S-AHMED.
KELLER H.U., WISSLER J.H. & DAMERAU B. Diverging effects of chemotactic serum peptides and synthetic f-Met-Leu-Phe on neutrophil locomotion and adhesion, 379
KENNES B., HUBERT CL., BROHEE D. & NEVE P. Early biochemical events associated with lymphocyte activation in ageing. I. Evidence that Ca^{2+} dependent processes induced by PHA are impaired, 119
KEOUGH DEIRDRE R., *see* SCHLUTER S.F.
KEREN D.F., *see* HAMILTON S.R.
KERN M., *see* GREGORY S.H.
KIERSZENBAUM F. & BUDZKO DELIA B. The guinea-pig complement-activating lymphocyte surface component (GPCA): a mouse T-cell marker distinct from Thy-l, 307
KRAHENBUHL J.L., *see* RYNING F.W.

LACHMANN P.J., VYAKARNAM A. & SIKORA K. The heterogenization of tumour cells with tuberculin. I. The coupling of tuberculin to cell surfaces using Con-A as ligand, 329
LACHMANN P.J., *see* VYAKARNAM A.
LAMM L.U., *see* MORTENSEN J.P.
LASCELLES A.K., *see* BEH K.J.

LE BOUTEILLER P.P., ASHERSON G.L. & EDWARDS A.J. Control of B-cell maturation in mice. I. Increased B-cell maturation *in vitro* by bone marrow protected during whole body irradiation, 267
LEE S.-K. & DRESSER W. Allotype suppression of the responsiveness of adoptively transferred adult spleen cells induced by affinity prepared anti-allotype antibody, 601
LEE S.-K. & DRESSER W. Allotype suppression induced in the adoptive transfer system: the variables of the system and an apparent absence of a role for T cells, 611
LEE S.-K. & DRESSER D.W.
LEWIS J.G. & ANDRÉ C.M. Enhancement of human monocyte phagocytic function by α_2HS glycoprotein, 481
LING N.R., *see* LOWE JENNIFER.
LLORENTE L., *see* PALACIOS R.
LOWE JENNIFER, HARDIE DEBBIE, JEFFERIS R., LING N.R., DRYSDALE PAMELA, RICHARDSON P., RAYKUNDALIA CHANDRA, CATTY D., APPLEBY P., DREW R. & MACLENNAN I.C.M. Properties of monoclonal antibodies to human immunoglobulin kappa and lambda chains, 649

MACLENNAN I.C.M., *see* LOWE JENNIFER.
MCCONNELL I. & HOPKINS J. Lymphocyte traffic through antigen-stimulated lymph nodes. I. Complement activation within lymph nodes initiates cell shutdown, 217
MCCONNELL I., *see* HOPKINS J.
MCCULLAGH P., *see* CUNNINGHAM JULIE.
MACDONALD A.B., *see* MULCAHY H.L.
MACDONALD A.B., *see* MULCAHY H.L.
MCKENZIE I.F.C., *see* CHEN W.
MALCHIODI FIORELLA, *see* ROSE MARLENE L.
MANNIK M., *see* BOCKOW B.
MATHUR ASHA, *see* CHATURVEDI U.C.
MAYER E.P., *see* CHEN W.
MAYRHOFER G., *see* WARNER L.A.
MEDAWAR P.B. & HUNT RUTH. Anti-cancer action of retinoids, 349
MILSTEIN C., *see* TAKEI F.
MORRISON C.A., *see* TITE J.P.
MORTENSEN J.P. & LAMM L.U. Quantitative differences between complement factor-B phenotypes, 505
MULCAHY H.L., RUBIN A.S. & MACDONALD A.B. Purification and properties of a factor from leukaemic T cells which non-specifically enhances the antibody response, 25
MULCAHY H.L., RUBIN A.S. & MACDONALD A.B. The conversion of an enhancing factor to a suppressor factor by the formation of an aggregate molecule, 37
MÜLLER C., *see* PAWELEC G.
MUTHUKKARUPPAN V.R., *see* SUBRAMONIA PILLAI P.
NAKANO K., *see* NAKANO YUMIKO.
NAKANO YUMIKO & NAKANO K. Induction of contact sensitivity and antigenic competition by the intravenous administration of contact sensitizers, 111
NELKEN D., *see* GOREN RIVKA.
NEVE P., *see* KENNES B.
NOMOTO K., *see* YOSHIDA S.

OLABUENAGA SUSANA E., *see* RIMOLDI MARIA TERESA.
ORLANS EVA, *see* PEPPARD JANE.

PALACIOS R. ALARCÓN-SEGOVIA, LLORENTE L. RUIZ-ARGUELLES A. & DÍAZ-JOUANEN E. Human post-thymic precursor cells in health and disease. I. Characterization of the autologous rosette-forming T cells as post-thymic precursors, 127
PARKER DARIEN, *see* DWYER J.M.
PAWELEC G., REHBEIN A., MÜLLER C., SONNEBORN H.-H. & WERNET P. Human T-lymphocytes grown in T-cell growth factor: functional attributes in MLC, CML, PLT and allogeneic suppression, 529
PAYNE A.W.R., *see* PEPPARD JANE.
PEARSON J.D., *see* HOPKINS J.
PEPPARD JANE, ORLANS EVA, PAYNE A.W.R. & ANDREW ELIZABETH. The elimination of circulating complexes containing polymeric IgA by excretion in the bile, 83
PETTIFOR R.A., *see* HORMAECHE C.E.
PEULEN GEMMA T.M., *see* VAN HOUTE A.J.
PEULEN GEMMA T.M., *see* VAN HOUTE A.J.
PIACIBELLO W., *see* CAMUSSI G.
PIECHUTA H., *see* HOLME G.

QUASH G.A., *see* DUC DODON MADELEINE.

RAYKUNDALIA CHANDRA, *see* LOWE JENNIFER.
REESE A.C., *see* WALDREP J.C.
REHBEIN A., *see* PAWELEC G.
REID K.B.M., *see* GADD KATHRYN J.
REMINGTON J.S., *see* FYNING R.W.
RICARDO JR M.J. Isotype specificity of Fcγ-receptors on guinea-pig T lymphocytes and their modulation by homologous immune complexes, 459
RICHARDSON P., *see* LOWE JENNIFER.
RIMOLDI MARIA TERESA, CARDONI RITA L., OLABUENAGA SUSANA E. & DE BRACCO MARIA M. DE E. *Trypanosoma cruzi*: Sequence of phagocytosis and cytotoxicity by polymorphonuclear leucocytes, 521
ROBINSON DANIELLE S.F., *see* GORDON J.
ROMPPANEN T., VILJANEN M.K., SORVARI T.E. Humoral immunodeficiency in chickens induced by chemical bursectomy with colchicine applied on the anal lips, 391
RÖPKE C. Characterization of Thy 1·2 positive cells in mouse bone marrow by sedimentation and mitogen stimulation, 385
ROSE MARLENE L. ROSE & MALCHIODI FIORELLA. Binding of peanut lectin to thymic cortex and germinal centres of lymphoid tissue, 583
RUBIN A.S., *see* MULCAHY H.L.
RUBIN A.S., *see* MULCAHY H.L.
RUÍZ-ARGUELLES A., *see* PALACIOS R.
RYNING F.W., KRAHENBUHL J.L. & REMINGTON J.S. Comparison of cytotoxic and microbicidal function of bronchoalveolar and peritoneal macrophages, 513

SAKATO N., *see* SEMMA M.
SANDERSON C.J. The mechanism of T-cell mediated cytotoxicity. VIII. Zeiosis corresponds to irreversible phase (programming for lysis) in steps leading to lysis, 201
SANO T., *see* KASAHARA T.
SANUI H., *see* YOSHIDA S.
SCHLUTER S.F., *see* COOMBE DEIRDRE R.
SCHLUTER S.F., EY P.L., KEOUGH DEIRDRE R. & JENKIN C.R. Identification of two carbohydrate-specific erythrocyte agglutinins in the haemolymph of the protochordate *Botrylloides leachii*, 241
SECHER D.S., *see* TAKEI F.

SEMMA M., SAKATO N., FUJIO H. & AMANO T. Idiotypic analysis of antibodies to hen egg-white lysozyme (HEL). II. Distribution and frequency of occurrence of idiotypes shared by A/J anti-HEL antibody, 45
SHIOTI-NAKANO K., *see* KASAHARA T.
SHULKA MANOHAR INDRA, *see* CHATURVEDI U.C.
SIKORA K., *see* LACHMANN P.J.
SIKORA K., *see* VYAKARNAM A.
ŠLJIVIĆ V.S., *see* BROWN CAROLYN A.
SNIPPE H., *see* VAN HOUTE A.J.
SNIPPE H., *see* VAN HOUTE A.J.
SORVARI T.E., *see* ROMPPANEN T.
SONNEBORN H.-H., *see* PAWELEC G.
SPRINGER T., *see* TAKEI F.
STEVENSON G.T., *see* GORDON J.
STEVENSON G.T., *see* GORDON J.
SUBRAMONIA PILLAI P. & MUTHUKKARUPPAN V.R. The role of T and B antigen-binding cells in the immune response to sheep erythrocytes in the lizard, *Calotes versicolor*, 541

TAKEI F., SECHER D.A., MILSTEIN C. & SPRINGER T. Use of a monoclonal antibody specificity non-reactive with T cells to delineate lymphocyte subpopulations, 371
TAYLOR R.B., *see* TITE J.P.
TEODORESCU M., *see* CHEN W.
TETTA C., *see* CAMUSSI G.
THOMAS W.R., WATKINS MADELEINE C. & ASHERSON G.L. Differences in the ability of T cells to suppress the induction and expression of contact sensitivity, 53
TITE J.P., MORRISON C.A. & TAYLOR R.B. Immunoregulatory effects of covalent antigen-antibody complexes. III. Enhancement or suppression depending on time of administration of complex relative to a T-independent antigen, 355
TSUKIDATE S., *see* FUJITA K.
TURK J.L., *see* DWYER J.M.
TURNER K.J., *see* HOLT P.G.

UDALL J.N., BLOCH K.J., FRITZ L. & WALKER W.A. Binding of exogenous protein fragments to native proteins: possible explanation for the overestimation of uptake of extrinsically labelled macromolecules from the gut, 251
UHER F., DOBRONYI I. & GERGELY. IgM-Fc receptor-mediated phagocytosis of rat macrophages, 419

VAN HOUTE A.J., SNIPPE H., PEULEN GEMMA T.M. & WILLERS J.M.N. Characterization of immunogenic properties of haptenated liposomal model membranes in mice. II. Induction of delayed-type hypersensitivity, 165
VAN HOUTE A.J., SNIPPE H., PEULEN GEMMA T.M. & WILLERS J.M.N. Characterization of immunogenic properties of haptenated liposomal model membranes in mice. III. Specificity of delayed-type hypersensitivity and antibody formation, 233
VAN OUDENAREN A., HAAIJMAN J.J. & BENNER R. Frequencies of background cytoplasmic Ig-containing cells in various lymphoid organs of athymic asplenic (lasat), athymic, asplenic and normal BALB/c mice, 437
VAN WAUWE J. & GOOSSENS J. Monoclonal anti-human T-lymphocyte antibodies: enumeration and characterization of T-cell subsets, 157
VILJANEN M.K., *see* ROMPPANEN T.
VYAKARNAM A., LACHMANN P.J. & SIKORA K. The heterogenization of tumour cells with tuberculin. II. Studies of the antigenicity of tuberculin-heterogenized murine tumour cells in syngeneic BCG positive and BCG negative mice, 337
VYAKARNAM A., *see* LACHMANN P.J.

WALDREP J.C. & REESE A.C. Polyclonal immunoglobulin synthesis induced by a macrophage factor acting via T cells, 619
WALKER W.A., *see* UDALL J.N.
WARNER L.A., HOLT P.G. & MAYRHOFER G. Alveolar macrophages. VI. Regulation of alveolar macrophage-mediated suppression of lymphocyte proliferation by a putative T cell, 137
WATKINS MADELEINE C., *see* THOMAS W.R.
WERNET P., *see* PAWELEC G.
WILKINSON P.C. & BRADLEY GRAINNE R. Chemotactic and enzyme-releasing activity of amphipathic proteins for neutrophils. A possible role for proteases in chemotaxis on substratum-bound protein gradients, 637
WILLERS J.M.N., *see* VAN HOUTE A.J.
WILLERS, J.M.N., *see* VAN HOUTE A.J.
WISSLER J.H., *see* KELLER H.U.

YAMAMOTO KEN-ICHI, *see* KATO KAZUYUKI.
YARDLEY J.H., *see* HAMILTON S.R.
YOSIDA S., NOMOTO K., HIMENO K. & SANUI H. Delayed hypersensitivity to syngeneic or xenogeneic testicular cells in guinea-pigs, 445
YOSHIDA TAKESHI, *see* BERGENSTOCK R.W.

Subject Index

Allogeneic suppression, human T lymphocytes grown in T-cell growth factor: functional attributes in MLC, CML, PLT and, 529

Alternative pathway of human ecomplement, importance of integrity of inter-heavy-chain disulphide bond of rabbit IgG in activation of, by $F(ab')_2$ region of rabbit IgG antibody in immune aggregates, 75

Amphipathic proteins for neutrophils, chemotactic and enzyme-releasing activity of. A possible role for proteases in chemotaxis on substratum-bound protein gradients, 637

Antibodies in rat lymphoid tissues, localisation of populations of lymphocytes defined by, 593

Antibodies to hen egg-white lysozyme (HEL). II. distribution and frequency of occurrence of idiotypes shared by A/J anti-HEL antibody, 45

Antibodies, monoclonal, and their Fab fragments, H-2 expression by lymphoid cells of different mouse strains: quantitative interaction of H-2 with, 207

Antibodies, monoclonal anti-human T-lymphocyte: enumeration and characterization of T-cell subsets, 157

Antibody, affinity prepared anti-allotype, allotype suppression of responsiveness of adoptively transferred adult spleen cells induced by, 601

Antibody-containing cell response in lymph of sheep, effect of route of administration of antigen on, 577

Antibody, enhanced, primary response *in vitro*, BCG, *Corynebacterium parvum* or *Mycobacterium leprae* added to cultures of BCG-primed mouse spleen cells cause, 67

Antibody formation, III. Specificity of delayed-type hypersensitivity and. Characterization of immunogenic properties of haptenated liposomal model membranes in mice, 233

Antibody formation in mice, reaginic. Preparation of a highly purified allergen from *Dirofilaria immitis*, 363

Antibody, monoclonal, Specifically non-reactive with T cells to delineate lymphocyte subpopulations. Use of a, 371

Antibody, rabbit IgG, in immune aggregates, importance of integrity of inter-heavy-chain disulphide bond of rabbit IgG in activation of alternative pathway of human complement by $F(ab')_2$ region of, 75

Antibody, response, purification and properties of a factor from leukaemic T cells which non-specifically enhances, 25

Antigen, aerosolized, derivation of an inbred line of rats which develop asthma-like symptoms following challenge with, 19

Antigen–antibody complexes, immunoregulatory effects of. III. Enhancement or suppression depending on time of administration of complex relative to a T-independent antigen, 355

Antigen, antigenic modulation of lymphocytic surface immunoglobulin yielding resistance to complement-mediated lysis. II. Relationship to redistribution of the, 13

Antigen-binding cells, role of T and B, in immune response to sheep erythrocytes in the lizard, *Calotes versicolor*, 541

Antigen, effect of route of administration of, on antibody-containing cell response in lymph of sheep, 577

Antigen, inhaled, inhibition of specific IgE responses in mice by pre-exposure to, 409

Antigen-specific cells generated in response to intestinal immunization in the pig. Route of lymphocyte migration in pigs. II. Migration to the intestinal lamina propria of, 475

Antigenic competition, suppression of delayed hypersensitivity to tuberculin by. A positive immunoregulatory mechanism sensitive to cyclophosphamide, 549

Antigenic competition, induction of contact sensitivity and by intravenous administration of contact sensitizers, 111

Antigenic modulation of lymphocytic surface immunoglobulin yielding resistance to complement-mediated lysis. I. Characterization with syngeneic and xenogeneic complements, 7

Antigenicity of tuberculin-heterogenized murine tumour cells in syngeneic BCG positive and BCG negative mice. Heterogenization of tumour cells with tuberculin. II. Studies of, 337

Asthma-like symptoms, derivation of an inbred line of rats which develop, following challenge with aerosolized antigen, 19

BALB/c mice, athymic asplenic (lasat), athymic, asplenic and normal, frequencies of background cytoplasmic Ig-containing cells in various lymphoid organs of 437

Basophils, II. Cellular origin of human PAF: monocytes, polymorphonuclear neutrophils and. Release of platelet-activating factor (PAF) and histmaine, 191

B-cell activation by mitogenic factor generated from antigen-stimulated lymphocytes, T and 321

B-cell maturation in mice, control of. I. Increased B-cell maturation *in vitro* by bone marrow protected during whole body irradiation, 267

BCG, *Corynebacterium parvum* or *Mycobacterium leprae* added to cultures of BCG-primed mouse spleen cells cause enhanced primary antibody response *in vitro*, 67

BCG positive and BCG negative mice. Heterogenization of tumour cells with tuberculin. II. Studies of antigenicity of tuberculin-heterogenized murine tumour cells in syngeneic, 337

BCG pre-treatment, suppression of BCG cell wall induced delayed-type hypersensitivity by. I. Induction of adherent suppressor cells by live BCG injection and their characterization, 259

Botrylloides leachii, identification of two carbohydrate-specific erythrocyte agglutinins in haemolymph of protochordate, 241

Chemotactic serum peptides and synthetic f-Met-Leu-Phe on neutrophil locomotion and adhesion, diverging effects of, 379

Complement activation within lymph nodes initiates cell shutdown. Lymphocyte traffic through antigen-stimulated lymph nodes. I, 217
Complement factor-B phenotypes, quantitative differences between, 505
Complement receptor function on various cells, trypan blue inhibition of, 61
Contact sensitivity, differences in ability of T cells to suppress induction and expression of, 53
Contact sensitivity, induction of, and antigenic competition by intravenous administration of contact sensitizers. 111
Corynebacterium parvum, BCG or *Mycobacterium leprae* added to cultures or BCG-primed mouse spleen cells cause enhanced primary antibody response *in vitro*, 67
Corynebacterium parvum, immunomodulation by, in two strains of guinea-pigs and effect of cyclophosphamide, 99
Cyclophosphamide, immunomodulation by *Corynebacterium parvum* in two strains of guinea-pigs and effect of, 99
Cytoplasmic Ig-containing cells in various lymphoid organs of athymic asplenic (lasat), athymic asplenic and normal BALB/c mice, frequencies of background, 437
Cytotoxic and microbicidal function of bronchoalveolar and peritoneal macrophages, comparison of, 513
Cytotoxic cells in a subset of Ly-$1^-2^+3^+$cells. functional characterization of mouse lymphocyte subpopulations identified by their natural binding of bacteria. II. Identification of subpopulations of Ly-$1^+2^-3^-$, Ly-$1^{l-}2^+3^+$ and Ly-$1^+2^+3^+$ cells and localization of specific, 285
Cytotoxicity, mechanism of T-cell mediated. VIII. Zeiosis corresponds to irreversible phase (programming for lysis) in steps leading to lysis, 201
Cytotoxicity, sequence of, by human polymorphonuclear leucocytes in *Trypanosoma cruzi*, phagocytosis and, 521

Delayed-type hypersensitivity and antibody formation. Characterization of immunogenic properties of haptenated liposomal model membranes in mice. III. Specificity of, 233
Delayed-type hypersensitivity, II. Induction of. Characterization of immunogenic properties of haptenated liposomal model membranes in mice, 165
Delayed-type hypersensitivity reactions IV. Fc receptors on specific peritoneal exudate lymphocytes and their role in. Peritoneal exudate T lymphocytes with specificity to sheep red blood cells, 185
Delayed-type hypersensitivity, suppression of BCG cell wall induced, by BCG pre-treatment. I. Induction of adherent suppressor cells by live BCG injection and their characterization, 259
Delayed hypersensitivity to syngeneic or xenogeneic testicular cells in guinea-pigs, 445
Delayed hypersensitivity to tuberculin by antigenic competition, suppression of. A positive immunoregulatory mechanism sensitive to cyclophosphamide, 549
Dengue virus-infected mice spleens, thymus-dependent lymphocytes of, mediate suppression through protaglandin, 1

Enhancing factor, conversion of an, to a suppressor factor by formation of an aggregate molecule, 37
Erythrocyte agglutinins in haemolymph of protochordate *Botrylloides leachii*, identification of two carbohydrate-specific, 241
Erythrocytes, sheep, an agglutinin in the haemolymph of an ascidian promoting adhesion of, to mouse macrophages, 661
Erythrocytes, sheep, in the lizard, *Calotes versicolor*, role of T and B antigen-binding cells in immune response to, 541

f-Met-Leu-Phe on neutrophil locomotion and adhesion, diverging effects of chemotactic serum peptides and synthetic, 379
Fc receptor activity on rat macrophages, effect of angiotensin II on, 277
Fc receptors on specific peritoneal exudate lymphocytes and their role in delayed-type hypersensitivity reactions. Peritoneal exudate T lymphocytes with specificity to sheep red blood cells. IV, 185
Fcγ-receptor activity of isolated human placental syncytiotrophoblast plasma membrane, 313
Fcγ-receptors on guinea-pig T lymphocytes, isotype specificity of, and their modulation by homologous immune complexes, 459
Frequencies of background cytoplasmic Ig-containing cells in various lymphoid organs of athymic, asplenic (lasat), athymic, asplenic and normal BALB/c mice, 437

GPCA, guinea-pig complement-activating lymphocyte surface component: a mouse T-cell marker distinct from Thy-1, 307

H-2 expression by lymphoid cells of different mouse strains: quantitative interaction of H-2 with monoclonal antibodies and their Fab fragments, 207
Hen egg-white lysozyme (HEL), idiotypic analysis of antibodies to. II. Distribution and frequency of occurrence of idiotypes shared by A/J anti-HEL antibody, 45
Humoral immunodeficiency in chickens induced by chemical bursectomy with colchicine applied on the anal lips, 391

Idiotypic analysis of antibodies to hen egg-white lysozyme (HEL). II Distribution and frequency of occurrence of idiotypes shared by A/J anti-HEL antibody, 45
IgE of rat bosophilic leukaemia cell, incorporation of tritiated precursors into receptors for, 629
IgE responses in mice, inhibition of specific, by pre-exposure to inhaled antigen, 409
IgG antibody, rabbit, in immune aggregates, importance of integrity of inter-heavy-chain disulphide bond of rabbit IgG in activation of alternative pathway of human complement by $F(ab')_2$ region of, 75
IgG, antigenicity of asialylated: its relationship to rheumatoid factor, 401
IgM antibodies in normal and decomplemented rabbits, clearance kinetics of soluble pre-formed immune complexes containing, 297
Immune complexes, clearance and tissue uptake of, in complement-depleted and control mice, 497
Immune complexes containing IgM antibodies in normal and decomplemented rabbits, clearance kinetics of soluble pre-formed, 297
Immune complexes, homologous, isotype specificity of Fcγ-receptors on guinea-pig T lymphocytes and their modulation by, 459
Immune response to keyhold limpet haemocyanin in absence of Peyer's patches, no impairment of local intestinal, 431

Immunoglobulin kappa and lambda chains, properties of monoclonal antibodies to human, 649
Immunoglobulin, lymphocytic surface, antigenic modulation of, yielding resistance to complement–mediated lysis. I. Characterization with syngeneic and xenogeneic complements, 7
Immunoglobulin, lymphocytic surface, antigenic modulation of, yielding resistance to complement-mediated lysis. II. Relationship to redistribution of the antigen, 13
Immunoglobulin synthesis, polyclonal, induced by a macrophage factor acting via T cells, 619
Immunosuppressive protein, inhibitory effect of normal, on lymphocytes mediating natural killing activity, 427
Inhibition, trypan blue, of complement receptor function on various cells, 61

Leucocytes, human polymorphonuclear, sequence of phagocytosis and cytotoxicity by, in *Trypanosoma cruzi*, 521
Leukaemia, rat basophilic cell, incorporation of tritiated precursors into receptors for IgE of, 629
Leukaemic T cells, purification and properties of a factor from, which non-specifically enhances antibody response, 25
Liposomal model membranes in mice, haptenated, characterization of immunogenic properties of. II. Induction of delayed-type hypersensitivity, 165
Liposomal model membranes in mice, haptenated, characterization of immunogenic properties of. III Specificity of delayed-type hypersensitivity and antibody formation, 233
Lymph nodes, lymphocyte traffic through antigen-stimulated. I. Complement activation within lymph nodes initiates cell shutdown, 217
Lymph nodes, lymphocyte traffice through antigen-stimulated. II. Role of postaglanding E_2 as a mediator of cell shutdown, 225
Lymph of sheep, effect of route of administration of antigen on antibody containing-cell response in, 577
Lymphocyte activation in ageing, early biochemical events associated with. I. Evidence that Ca^{2+} dependent processes induced by PHA are impaired, 119
Lymphocyte migration in pigs. I. Lymphocyte circulation in gut-associated lymphoid tissue. Route of, 469
Lymphocyte migration in pigs. II. Migration to the intestinal lamina propria of antigen-specific cells generated in response to intestinal immunization in the pig. Route of, 475
Lymphocyte subpopulations identifed by their natural binding of bacteria. II. Identification of subpopulations of $Ly\text{-}1^+\ 2^-\ 3^-$, $Ly\text{-}1^-2^+3^+$ and $Ly\text{-}1^+2^+3^+$ cells and localization of specific cytotoxic cells in a subset of $Ly\text{-}1^-2^+3^+$ cells. Functional characterization of mouse, 285
Lymphocyte subpopulations, use of a monoclonal antibody specifically non-reactive with T cells to delineate, 371
Lymphocytes, antigen-stimulated, T and B-cell activation by mitogenic factor generated from, 321
Lymphocytes, human, potentiation of natural killer activity of, by *Staphylococcus aureus* bacteria and its protein A, 175
Lymphocytes, localization of population of, defined by monoclonal antibodies in rat lymphoid tissue, 593
Lymphocytes mediating natural killing activity, inhibitory effect of normal immunosuppressive protein on, 427
Lymphocytes, reactivity of neuro-antigen-sensitized, against syngeneic, allogeneic and tolerated allogeneic neural tissue, 91
Lymphocytes, thymus-dependent, of dengue virus-infected mice spleens mediate suppression through prostaglandin, 1
Lymphocytic surface immunoglobulin, antigenic modulation of, yielding resistance to complement-mediated lysis. I. Characterization with syngeneic and xenogeneic complements, 7
Lymphocytic surface immunoglobulin, antigenic modulation of, yielding resistance to complement-mediated lysis. II. Relationship to redistribution of the antigen, 13
Lymphoid tissue, binding of peanut lectin to thymic cortex and germinal centres of, 583
Lysis, complemented-mediated, antigenic modulation of lymphocytic surface immunoglobulin yielding resistance to. I. Characterization with syngeneic and xenogeneic complements, 7
Lysis, complement-mediated, antigenic modulation of lymphocytic surface immunoglobulin yielding resistance to. II. Relationship to redistribution of the antigen, 13

Macromolecules from gut, binding of exogenous protein fragments to native proteins: possible explanation for overestimation of uptake of extrinsically labelled, 251
Macrophage factor acting via T cells, polyclonal immunoglobulin synthesis induced by a, 619
Macrophages, alveolar, VI. Regulation of alveolar macrophage-mediated suppression of lymphocyte proliferation by a putative T cell, 137
Macrophages, artificial binding of, to syngenic cells elicits cytostasis by not cytolysis, 149
Macrophages, bronchoalveolar and peritoneal, comparison of cytotoxic and microbicidal function of, 513
Macrophages, effect of angiotensin II on Fc receptor activity of rat, 277
Macrophages, rapidly cytolytic, detection of either, or NK cells in 'activated' peritoneal exudates depends on method of analysis and target cell type, 561
Macrophages, rat, IgM-Fc receptor-mediated phagocytosis of, 419
Mitogen stimulation, characterization of Thy 1·2 positive cells in mouse bone marrow by sedimentation and, 385
Mitogenic factor generated from antigen-stimulated lymphocytes, T and B-cell activation by, 321
Mitogenic response of T-cell subclasses to agarose-linked and to free ribonucleotides, 451
Monoclonal antibodies to human immunoglobulin kappa and lambda chains, properties of, 649
Monocyte phagocytic function, enhancement of human, by γ_2 HS glycoprotein, 481
Monocytes, II. Cellular origin of human PAF:, polymorphonuclear neutrophils and basophils. Release of Platelet-activating factor (PAF) and histamine, 191
Mycobacterium leprae, BCG, *Corynebacterium parvum* or, added to cultures of BCG-primed mouse spleen cells cause enhanced primary antibody response *in vitro*, 67

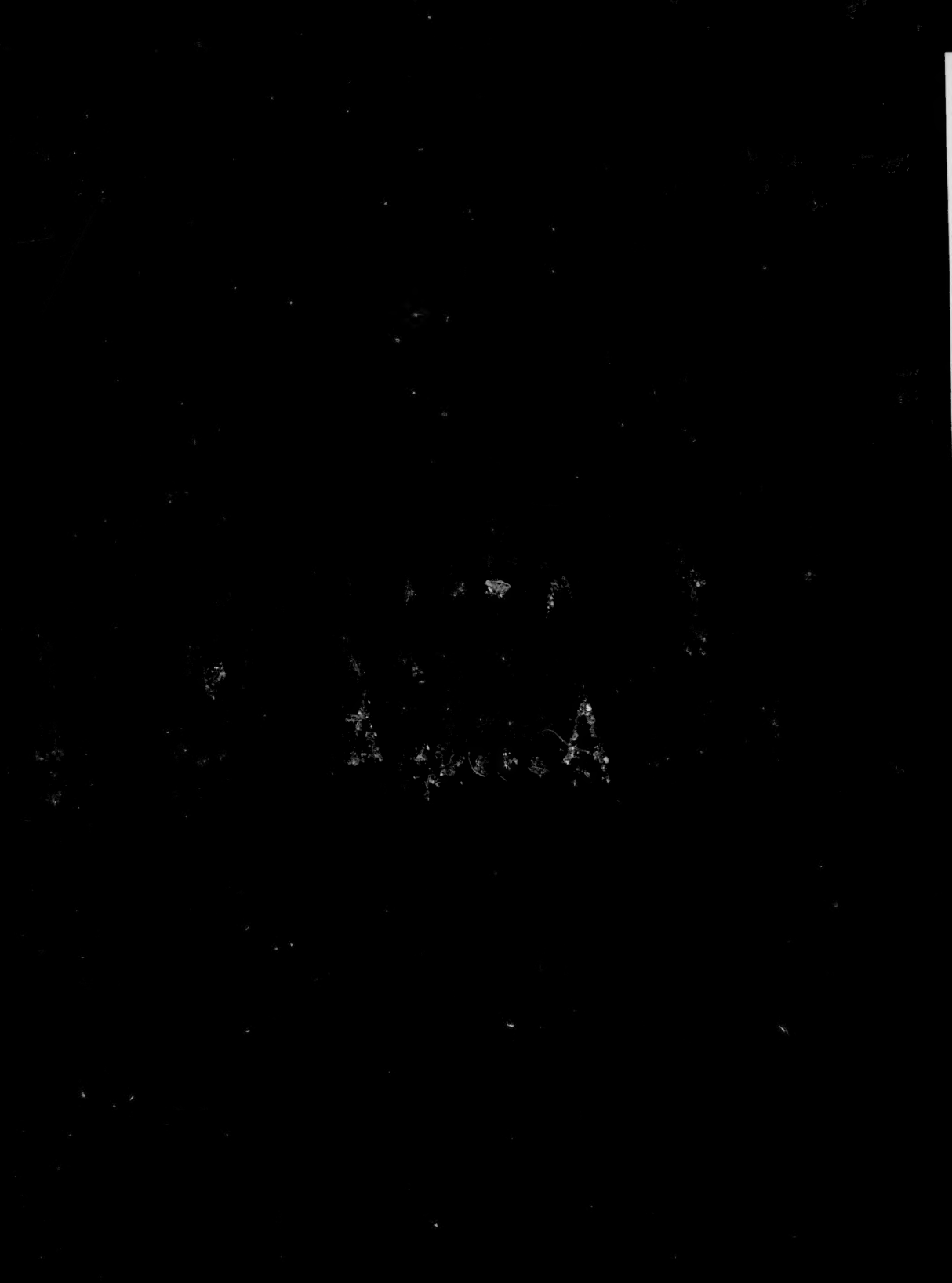
NK cells, detection of either rapidly cytolytic macrophages or, in 'activated' peritoneal exudates depends on method of analysis and target cell type, 561
Natural killer activity of human lymphocytes by Staphylococcus aureus bacteria and its protein A, potentiation of, 175

Natural killing activity, inhibitory effect of normal immunosuppressive protein on lymphocyte mediating, 427
Neural tissue, reactivity of neuro-antigen-sensitized lymphocytes against syngeneic, allogeneic and tolerated allogeneic, 91
Neutrophil locomotion and adhesion, diverging effects of chemotactic serum peptides and synthetic f-Met-Leu-Phe on, 379
Neutrophils, chemotactic and enzyme-releasing activity of amphipathic proteins for. A possible role for proteases in chemotaxis on substratum-bound protein gradients, 637
Neutrophils, polymorphonuclear and basophils. Release of platelet-activating factor (PAF) and histamine. II. Cellular origin of human PAF: monocytes, 191
No impairment of local intestinal immune response to keyhole limpet haemocyanin in the absence of Peyer's patches, 431

Peanut lectin, binding of, to thymic cortex and germinal centres of lymphoid tissue, 583
Peritoneal exudates, 'activated', detection of either rapidly cytolytic macrophages or NK cell in, depends on method of analysis and target cell type, 561
PHA, evidence that Ca^{2+} dependent processes induced by, are impaired. Early biochemical events associated with lymphocyte activation in ageing. I, 119
Phagocytosis and cytotoxicity, sequence of, by human polymorphonuclear leucocytes in *Trypanosoma cruzi*, 521
Phagocytosis of rat macrophages, IgM-Fc receptor-mediated, 427
Phenotypes, complement factor-B, quantitative differences between, 505
Platelet-activating factor (PAF) and histamine, release of. II. Cellular origin of human PAF: monocytes, polymorphonuclear neutrophils and basophils, 191
Prostaglandin E_2 as a mediator of cell shutdown. Lymphocyte traffice through antigen-stimulated lymph nodes. II. Role of, 225
Protein fragment, binding of exogenous, to native proteins: possible explanation for overestimation of uptake of extrinsically labelled macromolecules from gut, 251

Retinoids, anti-cancer action of, 349
Rheumatoid factor, antigenicity of asialylated IgG: its relationship to, 401
Ribonucleotides, Mitogenic response of T-cell subclasses to agarose-linked and to free, 451

Salmonella mutants in vivo in naturally resistant and susceptible mice, the fate of temperature-sensitive, 569
Sheep red blood cells, peritoneal exudate T lymphocytes with specificity to. IV. Fc receptors on specific peritoneal exudate lymphocytes and their role in delayed-type hypersensitivity reactions, 185
Spleen cells, BCG-primed mouse, BCG, *Corynebacterim parvum* or *Mycobacterium leprae* added to cultures of, cause enhanced primary antibody response in vitro, 67
Spleens, dengue virus-infected mice, thymus-dependent lymphocytes of, mediate suppression through prostaglandin, 1
Staphylococcus aureus bacteria and its protein A, potentiation of natural killer activity of human lymphocytes by, 175
Suppression, allotype, induced in adoptive transfer system: variables of the system and apparent absence of role for T cells, 611
Suppression, allotype, of responsiveness of adoptively transferred adult spleen cells induced by affinity prepared anti-allotype antibody, 601
Suppression, alveolar macrophage-mediated, of lymphocyte proliferation by a putative T cell. Alveolar macrophages. VI. Regulation of, 137
Suppression of BCG cell wall induced delayed-type hypersensitivity by BCG pre-treatment. I. Induction of adherent suppressor cells by live BCG injection and their characterization, 259
Suppression of delayed hypersensitivity to tuberculin by antigenic competition. A positive immunoregulatory mechanism sensitive to cyclophosphamide, 549
Suppression through prostaglanding mediated by thymus-dependent lymphocytes of dengue virus-infected mice spleens, 1
Suppressor factor, conversion of an enhancing factor to a, by formation of an aggregate molecule, 37
Syngeneic cells, artificial binding of macrophages to, elicits cytostasis but not cytolysis, 149

T and B antigen-binding cells, role of, in immune response to sheep erythrocytes in the lizard, *Calotes versicolor*, 541
T and B-cell activation by mitogenic factor generated from antigen-stimulated lymphocytes, 321
T-cell growth factor, human T lymphocytes grown in, : functional attributes in MLC, CML, PLT and allogeneic suppression, 529
T-cell marker distinct from Thy-1. Guinea-pig complement-activating lymphocyte surface component (GPCA): a mouse, 307
T-cell mediated cytotoxicity, mechanism of. VII. Zeiosis corresponds to irreversible phase (programming for lysis) in steps leading to lysis, 201
T-cell subclasses, mitogenic response of, to agarose-linked and to free ribonculeotides, 451
T-cell subsets, enumeration and characterization of. Monoclonal anti-human T-lymphocyte antibodies:, 157
T cells, allotype suppression induced in adoptive transfer system: variables of the system and apparent absence of role for, 611
T cells, autologous rosette-forming, characterization of, as post-thymic precursors. Human post-thymic precursor cells in health and disease. I, 127
T cells, differences in ability of, to suppress induction and expression of contact sensitivity, 53
T cells, leukaemic, purification and properties of a factor from, which non-specifically enhances antibody response, 25
T cells, polyclonal immunoglobulin synthesis induced by a macrophage factor acting via, 619
T cells, use of a monoclonal antibody specifically non-reactive with, to delineate lymphocyte subpopulations, 371
Thy-1, a mouse T-cell marker distinct from. Guinea-pig complement-activating lymphocyte surface component (GPCA):, 307
Thy 1·2 positive cells in mouse bone marrow by sedimentation and mitogen stimulation, characterization of, 385
Thymus-dependent lymphocytes of dengue virus-infected

mice spleens mediate suppression through prostaglandin, 1
T lymphocytes, guinea-pig, isotype specificity of Fcγ-receptors on, and their modulation by homologous immune complexes, 459
T lymphocytes, human, grown in T-cell growth factor: functional attributes in MLC, CML, PLT and allogeneic suppression, 529
T lymphocytes, peritoneal exudate, with specificity to sheep red blood cells. IV. Fc receptors on specific peritoneal exudate lymphocytes and their role in delayed-type hypersensitivity reactions, 185
Trypanosoma cruzi: sequence of phagocytosis and cytotoxicity by human polymorphonuclear leucocytes, 521
Tuberculin, suppression of delayed hypersensitivity to, by antigenic competition. A positive immunoregulatory mechanism sensitive to cyclophosphamide, 549
Tumour cells, heterogenization of, with tuberculin. I. Coupling of tuberculin to cell surfaces using Con-A as ligand, 329
Tumour cells, heterogenization of, with tuberculin. II. Studies of antigenicity of tuberculin-heterogenized murine tumour cells in syngeneic BCG positive and BCG negative mice, 337